THE TECH

VOL. XXVIII. No. 62 BOSTON, MASS., MONDAY, MARCH 29, 1909 PRICE THREE CENTS

WEST POINT WINS FENCING HONORS

Cadets Take Championship of Colleges for the Second Time

TECH WEAK IN FINALS

Two Army Men Lose One Bout Each—Knox Wins Five, Loring Two and Grubnau Two

West Point won the intercollegiate fencing championship last Saturday by a total of 29 bouts won to 4 lost. The Naval Academy was second with 21 victories and 12 defeats, Yale came third with 16 victories and 17 defeats, and Tech fourth with 9 victories and 24 defeats. The final contests were held Saturday night in the Squadron Armory, Madison avenue and 94th street, drawing a large crowd, including several hundred women. In the afternoon the first lot of bouts in the final series were

Capt. E. M. Loring 1909

fenced at the New York Turn Verein, where the preliminaries were held on the preceding evening.

R. Cocroft and R. Sears of the Army tied for the individual championship honors, as each went through the two days' play with only one defeat. Cocroft losing Saturday night after a hard bout to F. S. R. Brandt of the Navy, while Sears was defeated in the preliminaries by Smith of Yale. The third Army member, Sohlberg, was defeated twice, by Knox of Technology, and Brandt of the Navy. The winning team is the same that represented the Military Academy last year when the West Point cadets captured the title from the Naval Academy. Yale gave the Navy a hard fight for second place up to Saturday night, only being one bout behind the Annapolis cadets when the final series began, but they only succeeded in winning a single bout in the final contests. The fencers from the Institute of Technology, the fourth team to qualify in the preliminary bouts, scored nine victories. The teams and results of the day's bouts:

United States Military Academy—R. Sears, O. M. Sohlberg, R. Cocroft.

Naval Academy—F. S. R. Brandt, G. Bradford, H. R. A. Borchardt.

Yale—B. H. Smith, Z. C. Ross, J. W. Sanders.

Massachusetts Institute of Technology—V. C. Grubnau, H. G. Knox, E. M. Loring.

The results of the final bouts in the evening were:

Brandt, Navy, beat Knox, Technology;

(Continued on page 3.)

WORK OF VALUE IN CHEMICAL THESES

Investigation of Problems Now Puzzling World Of Industry

IMPORTANT SUBJECTS

Comprehensive Work of Chem Engineers in Laboratory of Industrial Chemistry

A number of highly important theses are now being carried on in the laboratory of industrial chemistry by men in Courses V and X.

L. J. D. Healy is making a thorough study of acid-proof materials, which may be adapted to coating, tanks, and vats, constructed of reinforced concrete. The rapid increase in the use of concrete in chemical plants has created a demand for such information as this thesis will provide.

J. A. Christie is devising a new method for treating irons previous to its being coated with acid and alkali-proof enamel, with a view to preventing the flaking and clipping incident to this kind of work. There exist two empirical methods, the action of neither of which has been investigated, nor is it at present understood.

The recognition which is being accorded devices for automatically showing the composition of flue gases, as a factor in the economical apparatus of large power plants, makes desirable the design of a less expensive and more durable device for this purpose. Bradley Dewey is perfecting a method and apparatus for analyzing flue gases, based upon the changes in specific gravity of the gas.

C. L. Campbell is devising a new method for determining the continuity of zinc coating upon galvanized iron. The only method now available contains a serious, though unavoidable, source of error, which renders it very untrustworthy.

H. W. Paine is determining the efficiency of the newly installed Howard Dust Chamber, at the works of the Merrimac Chemical Co., at North Woburn. This investigation demands the design and construction of a more delicate method of analytically determining the amount of dust in moving gases.

J. J. Elbert is investigating a new reaction for the commercial production of caustic soda from salt cake, which is waste product. The reaction requires a specially constructed furnace, which Elbert has devised.

Thornwell Fay, Jr., is working upon the influence of dissolved oxygen in boiler feed-water upon the corrosion of boiler tubes and shell. He is investigating a number of the large power plants, paying special reference to the effect of open and closed feed-water pre-heaters upon boiler corrosion.

C. M. Pritchard is studying the relative influence of calcium magnesium in glass upon its physical properties. The lime used in making window, plate, bottles and such glasses, frequently carries large quantities of magnesium, which introduces variation in the glass, not as yet understood.

A complete list of the Course V and X theses will be given later.

FR. LECHY TO SPEAK

Rev. Fr. George V. Lechy will address the Catholic Club Tuesday evening at 8.00 P. M., in the Union, on the Darwinian theory. Father Lechy is professor of Science in the St. John's Seminary at Brighton, and is well qualified to speak on the subject.

Students have heard many talks advocating the Darwinian theory, but this will be the first one at which they will be able to hear the other view of the theory discussed. It is certain that all are interested, and an invitation to attend is extended to everybody.

F. M. HEIDELBERG,
President.

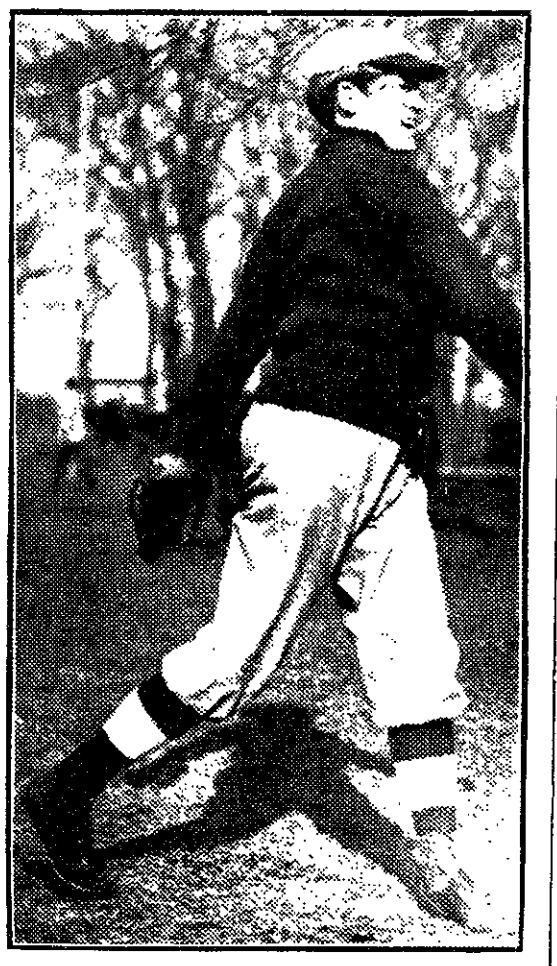
CLASS BASEBALL SCHEDULES READY

Freshmen and Sophomores Begin Their Practise This Week

MANY TRIPS ARRANGED

Sophomore Team is to Meet Fast Harvard Freshies Which is An Innovation

With an excellent schedule of twenty games, including several long trips into New Hampshire, Captain L. G. Odell issues a call for candidates for the 1911 baseball team today. Manager T. McLaughlin has been working hard, with the result of getting out one of the best schedules that a Tech sophomore aggregation ever faced. He has been especially fortunate in securing a date with Harvard 1912, and it is believed that this will be the first time a Tech class team will have played the Harvard freshies.



MANAGER THOMAS McLAUGHLIN 1911

Nearly all of last year's team are back, and things are looking rosy for 1911. A new find has been discovered in C. L. Hufsmith, who was formerly captain of the Austin College, Texas, nine. The first practise will be held today at 4.00 o'clock, and the following men are expected to report: A. W. Yerance, H. C. Soule, A. E. Schatz, L. le Floriez, P. S. Hopkins, P. A. Cushman, F. A. Wood, M. B. Brownlee, R. N. Doble, G. B. Forristall, R. H. Gould, and C. H. Johnson.

The schedule:

April 9—Volkman at Allston.
April 10—Winchester High at Winchester.
April 14—Malden High at Malden.
April 17—Freshmen at home.
April 19—Newton High at Newton.
April 20—Freshmen at home.
April 21—Woonsocket High at Woonsocket, R. I.
April 24—Norwood High at Norwood.
April 26—R. M. T. S. at home.
April 28—Harvard Freshmen at Cambridge.
May 1—Brewster Academy at Wolfboro, N. H.
May 5—Dean Academy at Franklin.
May 7—Brookline High at Brookline.
May 12—Dedham High at Dedham.
May 15—Lowell Textile at Lowell.
May 15—M. A. H. S. at home.
May 22—New Hampshire State College at Durham, N. H.
May 25—Freshmen at home.
May 29—Stearns School at Mt. Vernon, N. H.

(Continued on page 3.)

COURSES TO MEET IN RACE SATURDAY

Annual Race Over Tech-Harvard Course—Civils are The Favorites

C. P. ELDRED WINS RUN

Hare and Hounds Hold Weekly Run Over New Course Laid Out by Capt. Jacobs

Plans are fast being completed for the intercourse cross- country race, to be held April 3, over the regular 4 1-4 mile course.

The race is held primarily to give the men experience in actual racing, and to strengthen the men. Coach Kanaly will soon put on special training for the distance events on the track team.

The thirteen courses have been divided into four groups, according to the subjects taken by the men. Thus the Civil and Sanitary engineers will be united under Capt. Jacobs of the cross-country team; the Electrical and Mechanical engineers under chase-captain Eldred; the men of all Chemical courses under former chase-captain Stephenson, and the remaining courses under ex-capt. Ellis.

Last year the race was won by the Civil engineers, by a small margin, over the Chemical courses; and the prospects are that the same course will win this year. Howland, the Tech distance man, Capt. Jacobs, and McCarthy, the 2-mile star, being in the course.

Besides the star men named above, Capt. Jacobs has the following three good men: Watkins 1912, Van Alstine 1911, and Batchelder 1909. C. P. Eldred, captain of courses II and VI, has great hopes of winning the race with the following: White, MacCreadie, Huber, West, Tuller, Magee, Jenks, Ferry, Cartwright and DeWitt.

The hopes of the other captains are based on the chance of having some good freshmen in their respective courses.

Judging from the recent hare and hounds runs, the most promising freshmen are: Benson, Watkins, Cartwright, Ballard, Morrill, Rhodes and Tuller.

The race will start at the Highland Station at about 3.15 P. M., and finish about 3.40 on the track at Tech Field, Brookline.

At Needham last Saturday the hare and hound club ran over a new course, over a distance of seven miles. The course is one which was laid out by Capt. Jacobs, and its character is almost ideal. As it is practically the same as the Intercollegiate course, at Princeton, it will probably be used considerably by the varsity team in their training.

On the run Saturday the fast squad led by Capt. Jacobs set such a fast pace that they gained six minutes on the hares, who were V. V. Ballard 1912, H. G. Jenks 1911, and J. D. MacKenzie 1911. The bags were found by C. L. Tuller 1912, H. G. Watkins 1912, and Foster Russell 1911.

The half mile race for the finish was close and exciting, with chase-captain C. P. Eldred 1911, winning first place, with H. G. Watkins 1912, a close second: Capt. Jacobs was third. The next five men to finish were as follows: K. Cartwright 1912, R. D. Van Alstine 1911, C. L. Tuller 1912, R. E. Whipple 1912, and J. N. Stephenson 1909.

CALENDAR

MONDAY, MARCH 28.

10.00 A. M.—Talk on Submarines.
3.00 P. M.—Track Work at Field.
4.00 P. M.—1911 Baseball Men at Field.
4.00 P. M.—Show Chorus Rehearsal.
8.00 P. M.—Catholic Club.

TUESDAY, MARCH 29.

4.00 P. M.—Show Principals' Rehearsal.
4.22 P. M.—Cross-country men leave Back Bay Station.

THE TECH

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Monday, March 29, 1909.

The Tech takes pleasure in announcing the election of Charles Lawton Tuller 1912 to the board of associate editors, and the appointment of Stacy Collins Bates 1911, to the news staff. Orville P. Denison 1911 has been granted a month's leave of absence from the board of associate editors in order that he may partake in the Show without exceeding point limit.

It is too bad! But Tech has a good team, nevertheless, and there will be a fencing trophy at the Union some day if more men will come out early in the year and train regularly and consistently. Fencing is worth while, and though the Army seems to hold the place in this sport that Cornell does in cross-country running, neither team is invincible. So just wait another year, but get busy while you are waiting.

COMMUNICATION

FROM NORTH WESTERN ALUMNI

Editor of the Tech:

The Northwestern Association, M. I. T., urges all men who are about to graduate or leave the Institute, and who will be located within reach of Chicago, to become members of the Association.

Membership is not limited to graduates. Any former student is eligible if his class has graduated, and may become a member on payment of his annual dues ($2.00 for resident and $1.00 for non-resident members.) There are no other dues or fees.

Resident members are those residing or doing business in Chicago or its suburbs; others are non-resident. There are non-resident members in various points —in Wisconsin, Minnesota, Montana, Iowa, Kansas, Missouri, Nebraska, as well as Indiana and Illinois.

Keep in Touch.

Addresses change from time to time, and the Association has practically no way of keeping in touch with men in its territory who are not, but should be, members. Therefore send your name and address to

E. WOODYATT, 1907,
Secretary-Treasurer.
59 Clark St., Chicago, Ill.

O'HEARN CAPTAIN OF HOCKEY TEAM

Has Been Member of Team For Three Seasons As Forward

ELECTED SATURDAY

Bright Outlook for Successful Team for Coming Season

At a meeting of the members of the hockey team, held at the Union Saturday, William J. O'Hearn 1910, was elected captain for the coming season.

O'Hearn graduated from Brookline High School, where for two years he played hockey, being a member of the team that won the interscholastic championship, and beat Brown 2-0. For two years he played quarter on the football team, and caught on the baseball team. In his freshman year at the Institute he was manager of the 1910 baseball team, and captain in his sophomore year. In both his freshman and sophomore years he played on the varsity hockey team.

The prospects for an excellent team next season are indeed bright, as all of this year's aggregation, with one exception, will be back at the Institute. Harold D. Billings 1910, has been elected manager. Billings has played a consistent game at point and goal for two seasons.

DR. FITCH'S ADDRESS

Talks to Members of Y. M. C. A. At Union With Good Advice

Those who were present at the Union last evening heard a most interesting talk to the members of the Technology Y. M. C. A., by Dr. A. P. Fitch of Boston. Dr. Fitch took as his subject "Character Not Outward Achievement but Inward Thought." He said in part: "It is not so much what you men do as what you hope to do. In this relation I may say that I believe that our ideals count fully as much as our acts. There are three things which I would impress upon your mind: first, do not try to keep straight because you think it is the conventional thing to do; second, always try to have the right spirit in your heart, since it is here that your acts have their origin; third, you will find many men here at Tech who have no attitude one way or the other, and it is to these men that I would recommend that you turn your attention."

GYMNASTS' PRIZE MEET

A gymnastic meet confined to Tech will be held at the Gym on April 5. First, second and third prizes will be given in the hoizontal bar, parallel bars, horse, tumbling, and rings. Silver cups for the all-round championship and the first place in tumbling have been offered by Mr. W. C. Towne and Mr. Bruce. The entrance fee is 10 cents for each event.

For all those who missed seeing the Institute gymnasts perform in the Tech vs. Amherst meet this will be a splendid chance to come out good and strong and see some stunts that will open your eyes.

This will be a good chance to support

(Continued on page 4.)

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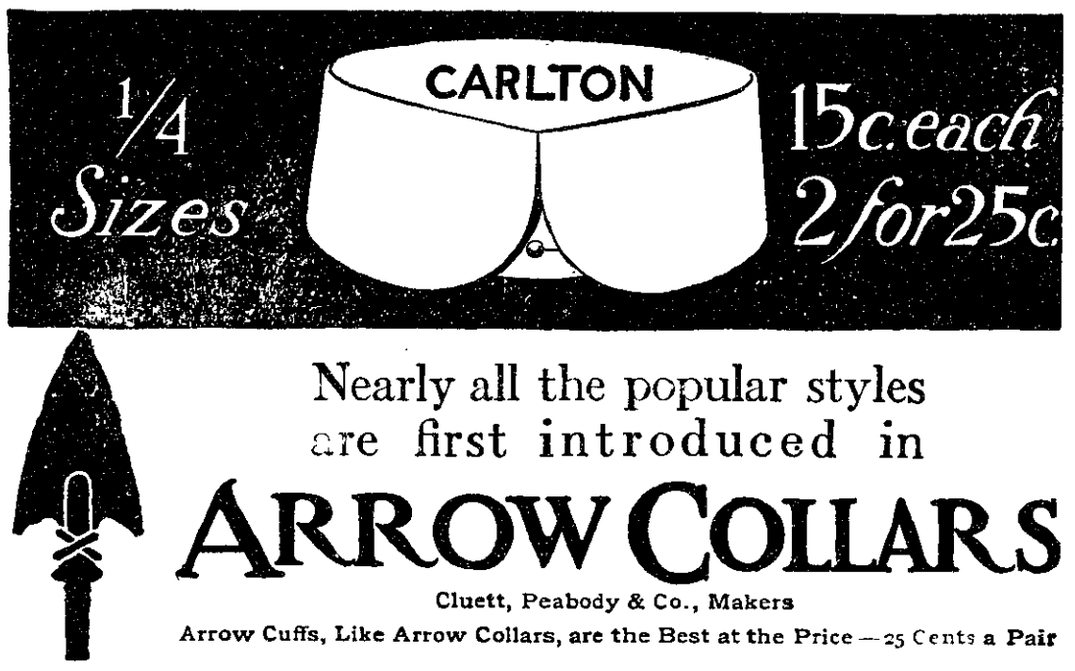

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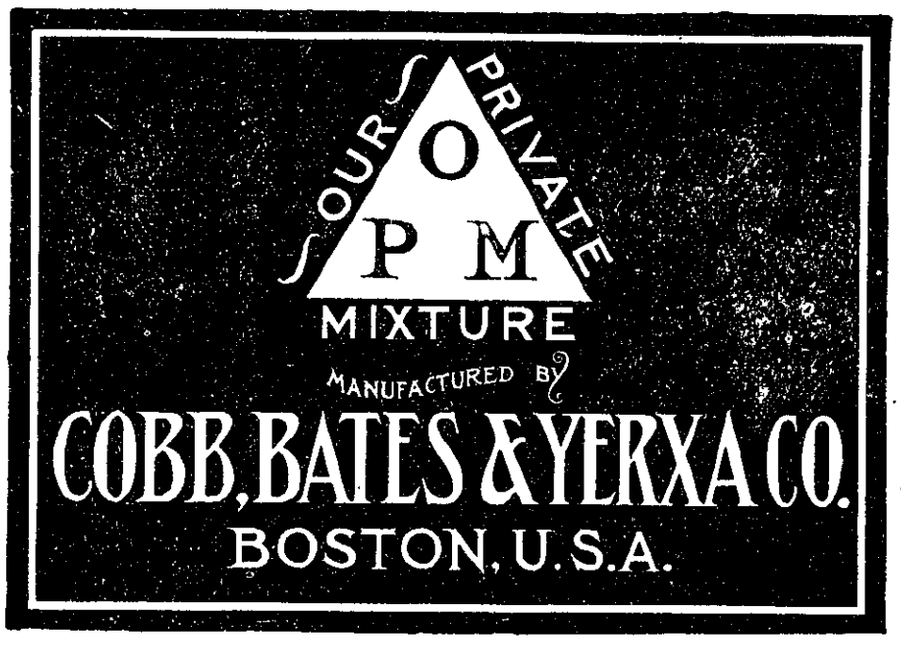

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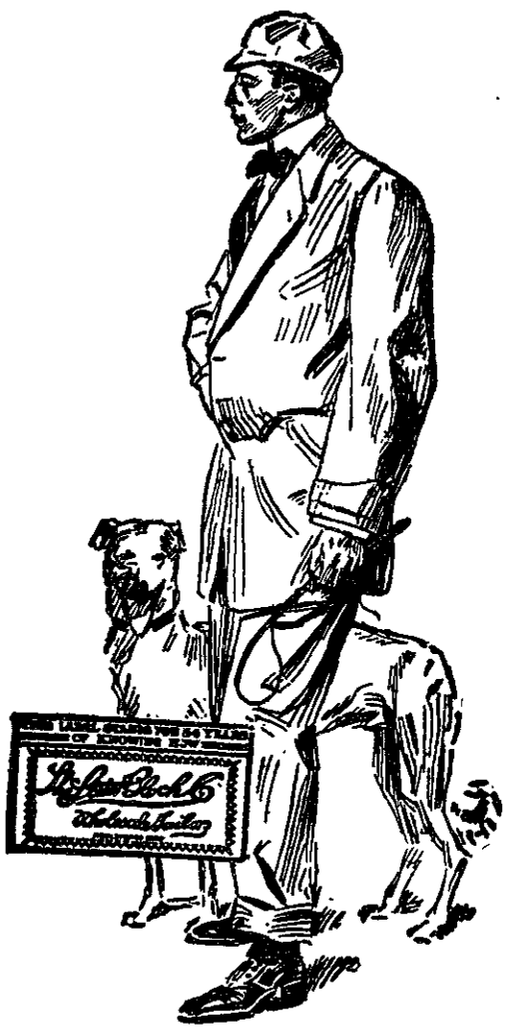

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83 NEWBURY STREET, BOSTON

The Review aims to develop closer relations among Institute men and to stimulate their interest in the work of the College. It is in no sense an engineering magazine, but deals broadly with the problems of Technological Education and the responsibilities of the professional man.

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WEST POINT WINS

(Continued from page 1.)

Sears, Army, beat Loring, Technology; Borchard, Navy, beat Smith, Yale; Grubnau, Technology, beat Sanders, Yale; Cocroft, Army, beat Ross, Yale; Bradford, Navy, beat Loring, Technology; Sohlberg, Army, beat Sanders, Yale; Brandt, Navy, beat Cocroft, Army; Knox, Technology, beat Smith, Yale; Sears, Army, beat Bradford, Navy; Ross, Yale, beat Grubnau, Technology; Borchardt, Navy, beat Sohlberg, Army.

The total results of the two days' play were:

Teams	Won.	Lost.
West Point	29	4
Navy	21	12
Yale	16	17
Technology	9	24

Total individual score of the Tech team for the two days' fencing:

Knox—Won 5, lost 6.
Loring—Won 2, lost 9.
Grubnau—Won 2, lost 9.

Friday night the fencing team qualified for the Intercollegiate finals by winning seven of their fifteen bouts. H. G. Knox 1910, did the best work, losing only one bout. G. Bradford of Annapolis was the man who proved to be Knox's victor. E. M. Loring 1909, won only two matches, and V. C. Grubnau 1909, proved a great disappointment by getting away with only one bout. The other teams which qualified were West Point, Yale, and Annapolis. Pennsylvania and Cornell were utterly outclassed, the fencers from Philadelphia winning only one bout. Cornell managed to win five. The team representing Technology was composed of Capt. V. C. Grubnau 1909, E. M. Loring 1909, and H. G. Knox, 1910.

The bouts were:

Grubnau:—Won from Smith, Yale; lost to Wendell, Penn; Fassett, Cornell; Sears, West Point; and Brandt, Annapolis.

Loring:—Won from McClintock, Penn; Allison, Cornell; lost to Sanders, Yale; Cocroft, West Point; and Borchardt, Annapolis.

Knox:—Won from Espindola, Cornell; Leymel, Penn; Ross, Yale; Sohlberg, West Point; lost to Bradford, Annapolis.

Individual score—
Knox—Won 4; lost 1.
Loring—Won 2; lost 3.
Grubnau—Won 1; lost 4.

Team score: West Point, 13; Yale, 10; Annapolis, 9; Technology, 7; Cornell, 5; Pennsylvania, 1.

TO WALK OVER COURTE

There will be an opportunity tomorrow for all men who want to run in the intercourse race to study the ground. A squad will walk over the course from Highland Station tomorrow, leaving Back Bay Station at 4.22. Fare is 10 cents.

CLASS BASEBALL

(Continued from page 1.)

The Freshman manager has not completed his schedule yet, but the team has a good start, and many men have handed in their names, including much excellent material. With such men as H. H. Brackett, who caught for three years on the Framingham High nine, and A. Eicher, who made the kick that decided the outcome of the last Field Day, a strong proposition will be offered to the sophs in the spring series.

The following men intend to play: L. S. Hooper, N. M&L. Sage, G. H. Robb, H. Coulson, T. F. Kalbflinch, Jr., A. Eicher, H. M. Priest, V. G. Sloan, H. S. Bird, V. W. Allen, R. C. Foster, J. Lenaerts, H. H. Brackett, and F. T. McAvoy.

The following games have been booked:

April 17—Sophomores at home.
April 20—Sophomores at home.
April 22—Everett High at Everett.
April 24—Lowell Textile at Lowell.
April 26—Melrose High at Melrose.
May 5—Rock Ridge Hall at Wellesley.
May 8—Gloucester High at Gloucester.
May 25—Sophomores at home.

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GYMNASTS' PRIZE MEET

(Continued from page 2.)

and encourage these gymnasts in the closing event of this year, so that next year we can pick a team that will win. The judges will be Mr. Towne, Mr. Carrell of Brookline, and Mr. Garland of the Boston Y. M. C. A. An admission fee of 15 cents will be charged.

NOTICES

The next dinner of the Biological Society will be held on the evening of Thursday, April 1, 1909, at the Technology Club, 83 Newbury St., at 6.30.

Mr. Charles A. Saville, XI, '05, will speak on the Engineering Work of the Massachusetts State Board of Health. Tickets must be procured by Wednesday morning. Price 60 cents.

BULLETIN BOARDS—Will the users of the boards kindly refrain from using glue, and confine themselves to tacks.

MEN WANTED.—Candidates for the news staff of The Tech will meet in the Tech office at 4.15 P. M. today.

1911 FOOTBALL.—All men who ordered pictures leave money at the cage for H. D. Williams immediately.

1911 BASEBALL.—All men report to Captain Odell at the field at 4.00 o'clock today.

CLASSIFIED ADS

Advertisements under this head are inserted at the rate of five cents a line of six words, payable in advance, and copy should be handed to the business manager the morning before publication day.

TO RENT.—Small steam heated room with gas on upper floor, $1.50 per week. Apply at Suite two, 163 Huntington Ave. J 6

NOTICE.—A watch has been found Inquire at the Bursar's office.

A. D. KEABLES.—Call at The Tech office for your lost notes on Machinery.

WANTED.—One thousand men with money enough to buy a Tech Show poster. Fussers solicited.

WANTED.—Copy of Pirrson's Geology. Leave note at the Cage for Glazier, 1911.

BE QUICK!—And engage A. Thode's string-reed orchestra for your fraternity, club, or society teas, smokers, and receptions during Junior week before all his dates are filled. A 2.

Will the person who "borrowed" an umbrella last Thursday evening kindly return same to The Tech office. No questions will be asked. The thing desired is the umbrella.

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Economy is a basis principle of success. So, if you have some second hand books or drawing instruments that you have no further use for, insert a small classified advertisement in THE TECH.

But suppose that you want to find a lost article — just as simple — insert a small lost ad under the classified heading, stating exactly what you have lost. As both those who have and those who want read our classified column, you are bound to get results.

EXAMPLES

LOST.— Note book with initials A. K. S. on cover. Please leave at Cage for A. K. Simmons.

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